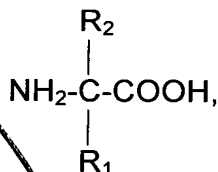


C ~~the sample to analysis of fluorescence at a suitable wavelength; wherein the exogenously administered polypeptide is tagged with a greater or lesser amount of fluorescence activity, relative to the untagged endogenous polypeptide, at the wavelength(s) analysed, wherein the greater or lesser amount of fluorescence activity is due to the respective presence or absence in the tagged molecule, relative to the untagged molecule, of a fluorescent amino acid residue or a synthetic amino acid derivative, in the amino acid backbone of the polypeptide, the synthetic amino acid derivative having the formula~~



wherein  $R_1$  comprises the fluorophore and  $R_2$  is H, OH, halide or substituted or unsubstituted lower alkyl.

C<sub>2</sub> 9. (Twice Amended) A method according to claim 7, wherein the fluorophore comprises tyrosine or tryptophan.

Add the following claim:

Sub 137  
C<sub>2</sub> 27. (New) A method according to claim 1, wherein the tagged molecule comprises the substitution, relative to the untagged molecule, of one or more phenylalanine or tyrosine residues with a corresponding number of tryptophan residues.